LISTING OF CLAIMS

1. (Previously Presented) A method of fabricating an X-ray detecting device, comprising the steps of:

providing a thin film transistor and a lower electrode of a storage capacitor on a substrate;

providing an inorganic insulating film over the thin film transistor and over the lower electrode;

providing an organic insulating film over the inorganic insulating film; and simultaneously dry etching the organic insulating film and the inorganic insulating film using a mixed ratio gas that etches the organic insulating film faster than the inorganic insulating film.

- 2. (Original) The method according to claim 1, wherein an etching rate of the organic insulating film is greater than that of the inorganic insulating film.
- 3. (Original) The method according to claim 1, wherein the mixed ratio gas contains SF₆, O₂, O₂+ Cl₂ and CF₄.
- 4. (Original) The method according to claim 3, wherein a component ratio of SF₆ to O₂ is about 1:3.
 - 5. (Original) The method according to claim 1, further comprising the steps of:

patterning the inorganic insulating film and the organic insulating film to provide a storage insulating film and a first protective film;

forming a transparent electrode on the first protective film;

forming a second protective film on the first protective film; and providing a pixel electrode on the second protective film.

6. (Original) The method according to claim 1, wherein said step of providing the thin film transistor includes:

forming a gate electrode on the substrate;

forming a gate insulating film over the substrate and over the gate electrode;

forming a semiconductor layer on the gate insulating film; and

forming source and drain electrodes on the semiconductor layer.

- 7. (Original) The method according to claim 1, wherein the inorganic insulating film is made from any one of silicon nitride (SiNx) and silicon oxide (SiOx).
- 8. (Original) The method according to claim 1, wherein the organic insulating film is made from any one of an acrylic organic compound, Teflon, BCB (benzocyclobutene), Cytop and PFCB (perfluorocyclobutane).
- 9. (Previously Presented) A method of fabricating a semiconductor assembly, comprising the steps of:

providing a thin film transistor and a lower electrode of a storage capacitor on a substrate;

providing a first insulating film over the thin film transistor and over the lower electrode;

providing a second insulating film over the first insulating film; and

simultaneously dry etching the first insulating film and the second insulating film using a mixed ratio gas that etches the second insulating film faster than the first insulating film.

- 10. The method according to claim 9, wherein the mixed ratio gas contains SF₆, O₂, O₂+ Cl₂ and CF₄.
- 11. (Original) The method according to claim 10, wherein a component ratio of SF₆ to O₂ is about 1:3.
 - 12. (Original) The method according to claim 9, further comprising the steps of:

patterning the first insulating film and the second insulating film to provide a storage insulating film and a first protective film;

forming a transparent electrode on the first protective film;

forming a second protective film on the first protective film; and

providing a pixel electrode on the second protective film.

13. (Original) The method according to claim 1, wherein said step of providing the thin film transistor includes:

forming a gate electrode on the substrate;

forming a gate insulating film over the substrate and over the gate electrode;

forming a semiconductor layer on the gate insulating film; and

forming source and drain electrodes on the semiconductor layer.

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14. (Original) The method according to claim 9, wherein the first insulating film is made from any one of silicon nitride (SiNx) and silicon oxide (SiOx).

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15. (Original) The method according to claim 9, wherein the second insulating film is made from any one of an acrylic organic compound, Teflon, BCB (benzocyclobutene), Cytop and PFCB (perfluorocyclobutane).

16-20. (Withdrawn)